valid OMB control number.



DECLARATION

REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Paul F. Prestia	23,031		
Andrew L. Ney	20,300		
Kevin R. Casey	32,117		
Benjamin E. Leace	33,412		
James C. Simmons	24,842		
Lawrence E. Ashery	34,515		
Christopher R. Lewis	36,201		
Robert L. Andersen	25,771		
Daniel N. Calder	27,424		
Louis W. Beardell, Jr.	40,506		
Jacques L. Etkowicz	41,738		
Jonathan H. Spadt	45,122		
Mark J. Marcelli	38,040		
Joshua L. Cohen	42,690		
Jack J. Jankovitz	34,608		
Kevin W. Goldstein	42,621		
Christopher I. Halliday	26,277		
Paul D. Golian	33,602		
William P. Hauser	41,712		
Bruce M. Monroe	28,028		
Rex A. Donnelly, IV	42,866		
Costas Krikelis			
·			
			:

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



COESIES

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PTO/SB/51 (12-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Docket Number (Optional)

REISSUE APPLICATION DECLARATION BY THE INVENTOR MTS-880US2
As a below named inventor, I hereby declare that: My residence, post office address and citizenship are stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number
and was amended on (Ifapplicable)
(If applicable)
I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.
I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)
by reason of a defective specification or drawing.
by reason of the patentee claiming more or less than he had the right to claim in the patent.by reason of other errors.
At least one error upon which reissue is based is described as follows:
During the prosecution of the application that issued as the above patent, the inventors did not recognize that the features disclosed in new claims 13-16 were appropriate to claim. As such, the inventors did not claim all that they had a right to claim. This error was made without deceptive intent.

[Page 1 of 2]

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			Daniel N			
(REISSUE APPLI	ICATION DECLARATION BY THE INVEN	ITOR, page 2)	Docket N MTS-880	Number (Optional) OUS2		
applicant. As a n	All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.					
Name(s)	Registration Num	nber				
Allan Ratner	10	9,717				
Jack J. Jankovit	<u>(z</u> 4.7	2,690				
Correspondence /	Address: Direct all communications about	the application to:	1	Alimshau Day		
Customer Nu	umber		1	Sustomer Number Bar abel here		
OR	Type Customer Number he	ere				
Firm or Individual Name	Ratner & Prestia					
Address	P.O. Box 980					
Address			 			
City	Valley Forge	State	PA	ZIP 19482		
Country						
Telephone	(610) 407-0700	Fax	(610) 407-0)701		
on information and knowledge that will or both, under 18 L application, any pa	nat all statements made herein of my own of belief are believed to be true; and further alful false statements and the like so made U.S.C. 1001, and that such willful false state atent issuing thereon, or any patent to which	r that these statem e are punishable by atements may jeop ich this declaration	nents were mad y fine and impri pardize the valid	de with the risonment,		
	r first inventor (given name, family name)	Thiow Keng Tar	n			
Inventor's signature	,					
Residence Singar		Date				
Post Office Address Singapore 2368	S Block 553, Choa Chu Kang North 6, #11-08	Citizenship Ma	alaysia			
	d joint inventor (given name, family name)		llaysia			
Inventor's signature	,	Date				
Residence		Citizenship				
Post Office Address	s					
Full name of third jo	oint inventor (given name, family name)					
Inventor's signature	;	Date				
Residence		Citizenship				
Post Office Address	S					
Additional joint inventors are named on separately numbered sheets attached hereto.						

PTO/SB/52 (08-99)
Approved for use through 9/30/00. OMB 0651-0033
Patent and Trademark Office; U.S. DEPARTMENT OF COMMENCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION DECLARATION BY	THE ASSIGNEE	et Number (optional) S-880US2				
I hereby declare that:	N					
My residence and post office address and citizenship ar	My residence and post office address and citizenship are stated below next to my name.					
I am authorized to act on behalf of the following assigne	Matsushita Electric Industr	rial Co., Ltd.				
and the title of my position with said assignee is: Directo						
The entire title to the patent identified below is vested in	said assignee.					
Name of Patentee(s): Thiow Keng Tan						
Patent Number 5,825,421	Date of Patent Issued October 2	20, 1998				
Title of Invention VIDEO CODING METHOD AND DE	***************************************	·				
I believe said patentee(s) to be the original, first and solo	e/joint inventor(s) of the subje	ect matter which is				
described and claimed in said patent, for which a reissue VIDEO CODING METHOD AND DECODING MET	•	i				
the specification of which		,				
X is attached hereto.						
was filed on as reissue app	ication number					
and was amended on(If applicable)						
I have reviewed and understand the contents of the above amended by any amendment referred to above.	e identified specification, inc	cluding the claims, as				
I acknowledge the duty to disclose information which is a	naterial to patentability as de	efined in 37 CFR 1.56.				
I verily believe the original patent to be wholly or partly in below. (Check all boxes that apply.)	noperative or invalid, for the i	reasons described				
by reason of a defective specification or drawing.						
x by reason of the patentee claiming more or less t	nan he had the right to claim	in the patent.				
by reason of other errors.		•				
At least one error upon which reissue is based is described as follows:						
During the prosecution of the application that issued as the above patent, the inventors did not recognize that the features disclosed in new claims 13-16 were appropriate to claim. As such, the inventors did not claim all that they had a right to claim. This error was made without deceptive intent.						
[Attach additional shee	ets, if needed.]					
All errors corrected in this reissue application arose with applicant.	out any deceptive intention o	on the part of the				

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(REISSUE APP	LICATIO	ON DECLAR	RATION BY T	HE ASSIGNI	EE. p	age 2	3 l	Docket N	lumber ((Optional)	
(REISSUE APPLICATION DECLARATION BY THE ASSIGNEE, page 2) MTS-880US2											
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Name(s) Registration Number											
	Allan Ratner 19,717										
Jack J. Janko	vitz			42,690							
Correspondence	Addres	s: Direct all	communicatio	ns about the	appli	cation	to:				
Customer N	umber		***				>	Num		omer r Code	
OR		Туре Си	istomer Numb	er Here			į	Labe	l Here		
Firm or Individual Name	Ratner	& Prestia									
Address	P.O. B	ox 980							-	****	
Address			V 4.1								
City	Valley	Forge			St	ate	PA		Zip	19482	
Country		_	<u> </u>							.4.	
Telephone	(610) 4	107-0700			Fa	ìχ	(610)	407-0	701	•	
I hereby declare statements made were made with the fine and imprisor jeopardize the value declaration is dire	on infor the know nment, or lidity of t	mation and ledge that w both, unde	belief are beli villful false sta r 18 U.S.C. 1	eved to be tru atements and 001, and that	ue; ar the li t such	nd furt ke so n willfu	her tha made Il false	at these are pu stater	e state nishab nents r	le by nav	
Full name of pers	son signi	ng (given na	ame, family na	ıme)					••		
Dr. Osamu Yama	zaki, D	irector									
Signature				Date							
Address of Assig	nee 1006 Osal	5, Oaza Kadoma, ka, 571 Japan	Kadoma-shi								
Patentee			Citizenship								
Residence/Post	ow Ken Office A		ck 553, Choa	Chu Kang No	rth 6,	11-08		laysia			
Patentee						Citiz	enship	p			
Residence/Post	Office A	ddress				L		<u>.</u>			



DECLARATION

valid OMB control number.

REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Kevin R. Casey	32,117		
Benjamin E. Leace	33,412		
James C. Simmons	24,842		
Lawrence E. Ashery	34,515		
Christopher R. Lewis	36,201		
Robert L. Andersen	25,771		
Daniel N. Calder	27,424		
Louis W. Beardell, Jr.	40,506		
Jacques L. Etkowicz	41,738		
Jonathan H. Spadt	45,122		
Mark J. Marcelli	38,040	·	
Joshua L. Cohen	42,690	المارين	
Jack J. Jankovitz	34,608		
Kevin W. Goldstein	42,621		
Christopher I. Halliday	26,277		
Paul D. Golian	33,602		
William P. Hauser	41,712		
Bruce M. Monroe	28,028		
Rex A. Donnelly, IV	42,866		
Costas Krikelis			
		·	

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Patent and Trade:

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Docket Number (Optional) REISSUE APPLICATION BY THE INVENTOR,

OFFER TO SURRENDER PATENT

CZIIORR-ZTM

		14113-000032
This is part of the application for a reissue patent	based on	the original patent identified below.
Name of Patentee(s) Thiow Keng Tan		
Patent Number 5,825,421	Date Pa	tent Issued October 20, 1998
Title of invention VIDEO CODING METHOD AND D	DECODI	NG METHOD AND DEVICES THEREOF
I am the inventor of the original patent.		
I offer to surrender the original patent.		
1. X Filed herein is a certificate under 37 CF	FR 3.73(b).
2. Ownership of the patent is in the invent been made.	or(s), and	d no assignment of the patent has
One of boxes 1 or 2 above must be checked.		
The written consent of all assignees owning an until this application for reissue.	idivided i	nterest in the original patent is included in
Signature		Date
Typed or printed name		
Thiow Keng Tan		
The assignee owning an undivided interest in said and the assignee consents to the accompanying ap	•	
I hereby declare that all statements made herein of statements made on information and belief are beli were made with the knowledge that willful false statine or imprisonment, or both, under 18 U.S.C. 100 jeopardize the validity of the application, any paten declaration is directed.	eved to be tements a 1 and tha	e true; and further that these statements and the like so made are punishable by t such willful false statements may
Name of assignee		
Matsushita Electric Industrial Co., Ltd. Signature of person signing for assignee		Date
Typed or printed name and title of person signing fo	r assigne	e
	Director	

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Patent and T -of 1995, no persons are required to respond to a collection of PTO/SB/54 (12-97)
roved for use through 9/30/00. OMB 0651-0033
k Office; U.S. DEPARTMENT OF COMMERCE
ation unless it displays a valid OMB control number.

REISSUE APPLICATION BY THE ASSIGNEE, OFFER TO SURRENDER PATENT

Docket Number (Optional)

MTS-880US2

This is part of the application for a reissue patent bas	ed on the original patent identified below.
Name of Patentee(s):	
Thiow Keng Tan	
Patent Number	Date Patent Issued
5,825,421	October 20, 1998
Title of Invention VIDEO CODING METHOD AND THEREOF	DECODING METHOD AND DEVICES
Matsushita Electric Industrial Co., Ltd. is the assi	gnee of the entire interest in the original patent.
I offer to surrender the original patent.	
\overline{X} A certificate under 37 CFR 3.73(b) is attached	j.
رخين	
I am authorized to act on behalf of the assignee.	
I hereby declare that all statements made herein of me statements made on information and belief are believed were made with the knowledge that willful false states fine or imprisonment, or both, under 18 U.S.C. 1001 a jeopardize the validity of the application, any patent is declaration is directed.	red to be true; and further that these statements ments and the like so made are punishable by and that such willful false statements may
Name of assignee	
Matsushita Electric Industrial Co., Ltd.	
Signature of person signing for assignee	Date
Typed or printed name and title of person signing for a	assignee
Dr. Osamu Yamazaki	Director

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Director

ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION

This is part of the application for a reissue patent filed herewith based on the original patent identified as follows:

Name of Patentee: Matsushita Electric Industrial Co., Ltd.

Patent Number: 5,825,421

Date Patent Issued: October 20, 1998

Title of Invention: VIDEO CODING METHOD AND DECODING METHOD

AND DEVICES THEREOF

I am an assignee owning an undivided interest to the above original patent.

I assent to the accompanying application for reissue.

Attached is a "Certificate under 37 C.F.R. section 3.73(b)"

Matsushita Electric Industrial Co., Ltd.		
	Date:	
Signature of person signing for assignee		
Dr. Osamu Yamazaki		

MTS-880US2 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: T. Tan

: Art Unit:

Serial No.: To Be Assigned

: Examiner:

Filed:

Herewith

FOR:

VIDEO CODING METHOD AND

DECODING METHOD AND DEVICES

THEREOF

CERTIFICATE UNDER 37 CFR 3.73 (b)

Assistant Commissioner for Patents Washington, D.C. 20231

SIR:

Matsushita Electric Industrial Co., Ltd., a Japanese Corporation certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 8607, Frame 0024, for which a copy thereof is attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by



fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date	:	
Name	:Dr. Osamu Yamazaki	
Title	:Director	
Signature	: ,	



DEPARTMENT OF COMMERCE UNITED S Patent a ademark Office

ETARY AND COMMISSIONER ASSISTANT ! OF PATENTS AND TRADEMARKS Washington, D.C. 20231

AUGUST 14, 1997

RATNER & PRESTIA ALLAN RATNER SUITE 301, ONE WESTLAKES BERWYN P.O. BOX 980 VALLEY FORGE, PA 19482-0980

AUG 28 1997

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/15/1997

REEL/FRAME: 8607/0024

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TAN, THIOW KENG

DOC DATE: 03/03/1997

ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, OAZA KADOMA, KADOMA-SHI

OSAKA, JAPAN 571

SERIAL NUMBER: 08773574

PATENT NUMBER:

FILING DATE: 12/27/1996

ISSUE DATE:

MAYA BENNETT, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

No legalization required

ASSIGNMENT

WHEREAS, the ASSIGNOR, comprising the following named inventor(s)

	Inventor(s)				
ASSIGNOR(s)/ INVENTOR(s)	1. Tan, Thiow Keng 2.				
	3. 4				
	has made an invention entitled:				
	VIDEO CODING METHOD AND DECODING METHOD AND DEVICES THEREOF				
i ingli kangi	and has executed an application for Letters Patent of the United States concurrently herewith;				
ASSIGNEE	WHEREAS, the ASSIGNEE Matsushita Electric Industrial Co., Ltd.				
ASSIGNEE (Full Name and address)	of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571 JAPAN				
and addices,					
7					

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions and positionations thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

SIGNATURE



ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

(Typed or Printed Name)	(Signa	\mathcal{L}	· (Da	110)	
1. Tan, Thiow Keng	- Janto	in har	March	3,	1997
2					
3					
4					
Application for United State	es Letters Paten	t			
Serial No. 08/773,574.	· · · · ·	Filed Decemb	er 27,	19	96
Attorney Docket No.	MTS-850		·		